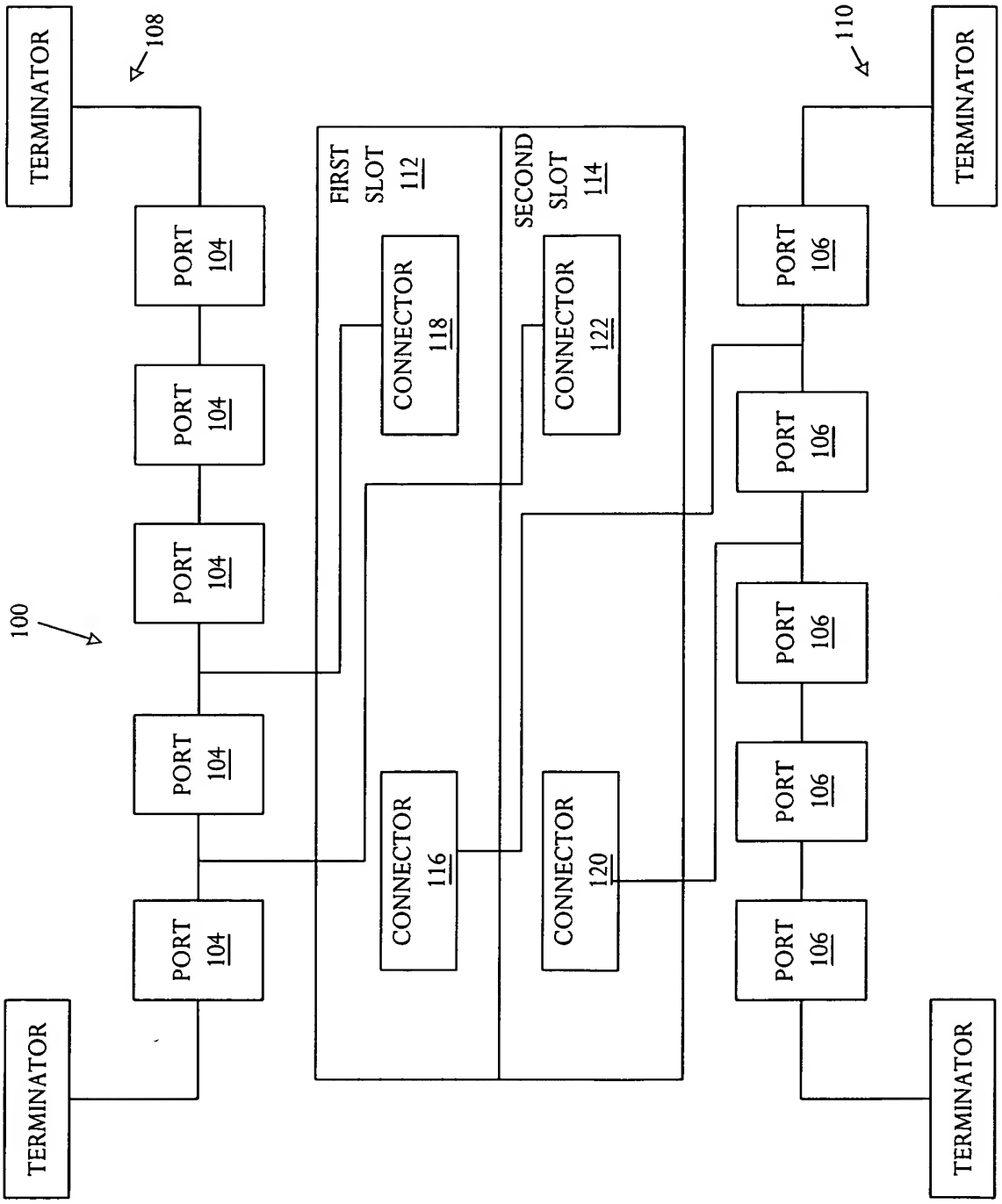
100
108
110
TERMINATOR
TERMINATOR
TERMINATOR
TERMINATOR
PORT 104
PORT 104
PORT 104
PORT 104
PORT 104
PORT 106
PORT 106
PORT 106
PORT 106
PORT 106
FIRST SLOT 112
SECOND SLOT 114
CONNECTOR 118
CONNECTOR 122
CONNECTOR 116
CONNECTOR 120

FIG. 1

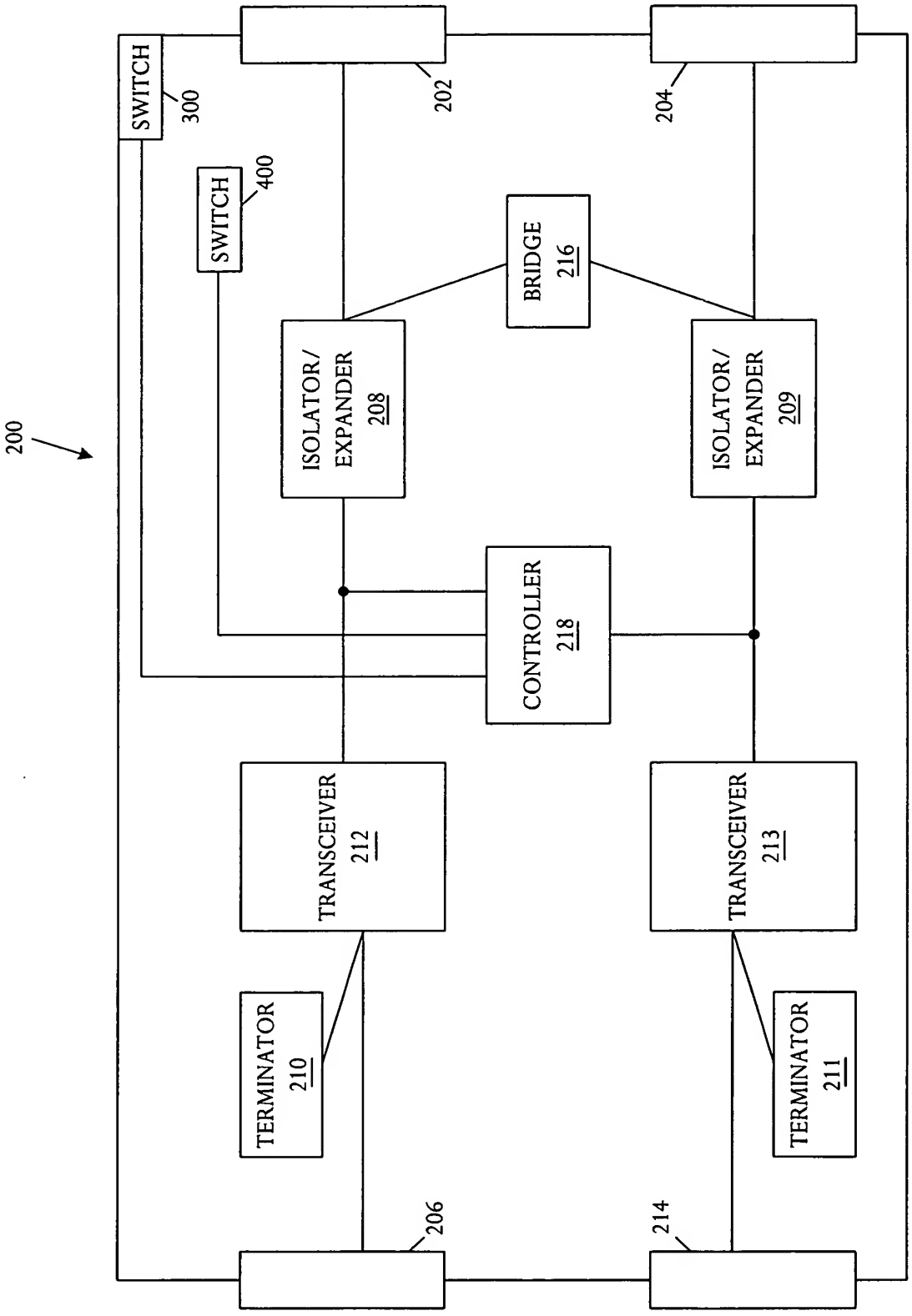
200
SWITCH
300
SWITCH
400
202
204
BRIDGE
216
ISOLATOR/
EXPANDER
208
ISOLATOR/
EXPANDER
209
CONTROLLER
218
TRANSCEIVER
212
TRANSCEIVER
213
TERMINATOR
210
TERMINATOR
211
206
214

FIG. 2

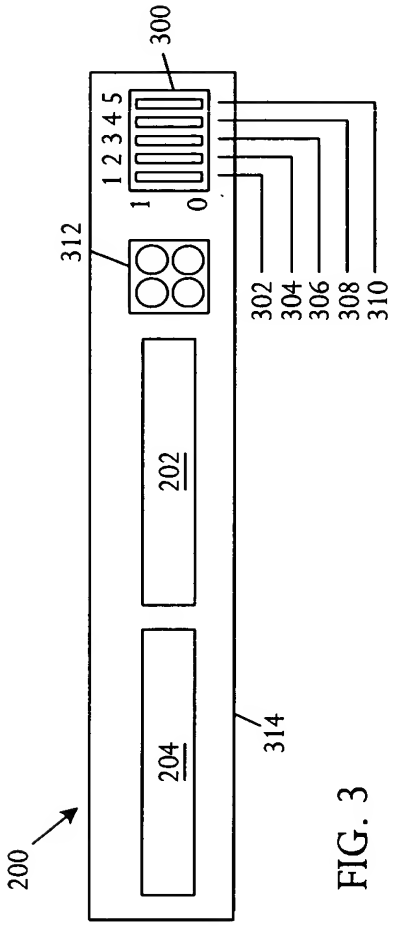
300
1 2 3 4 5
1
0
312
302
304
306
308
310
202
204
314
200

FIG. 3

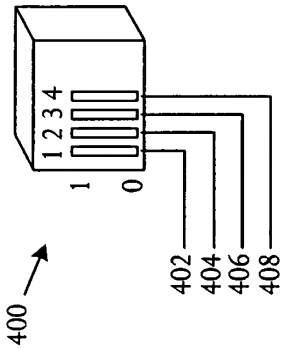
1 2 3 4
1
0
400
402
404
406
408

FIG. 4

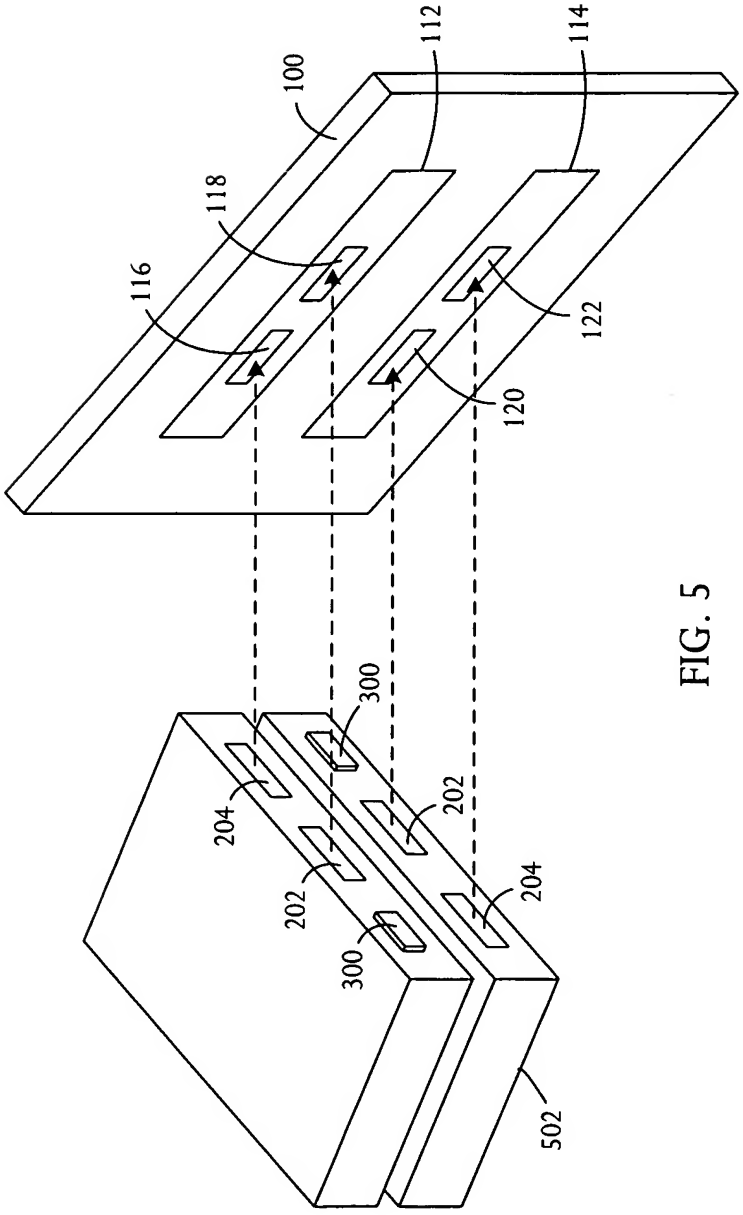
100
112
114
118
116
122
120
300
204
202
202
204
300
502

FIG. 5

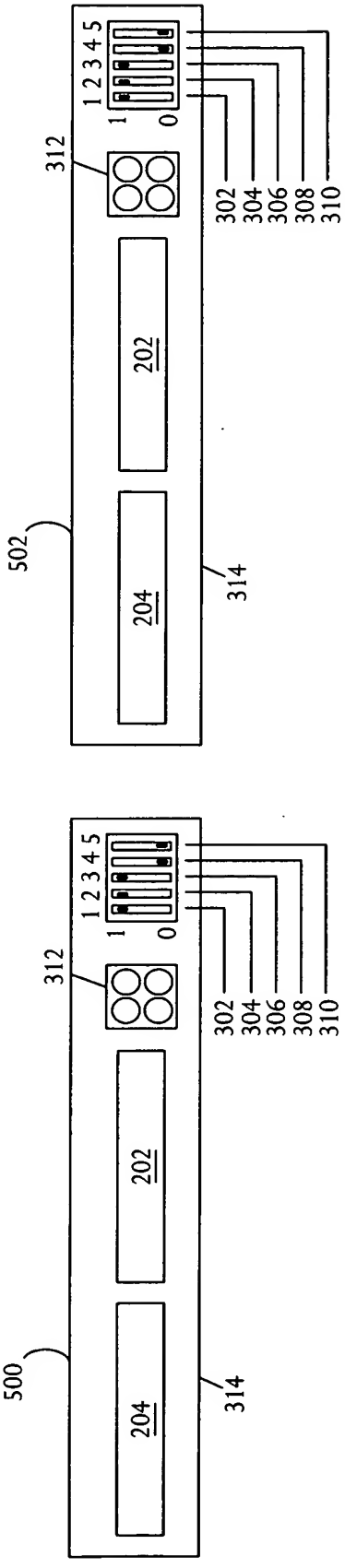
312
1 2 3 4 5
1
0
302
304
306
308
310
202
204
502
314
312
1 2 3 4 5
1
0
302
304
306
308
310
202
204
500
314

FIG. 6

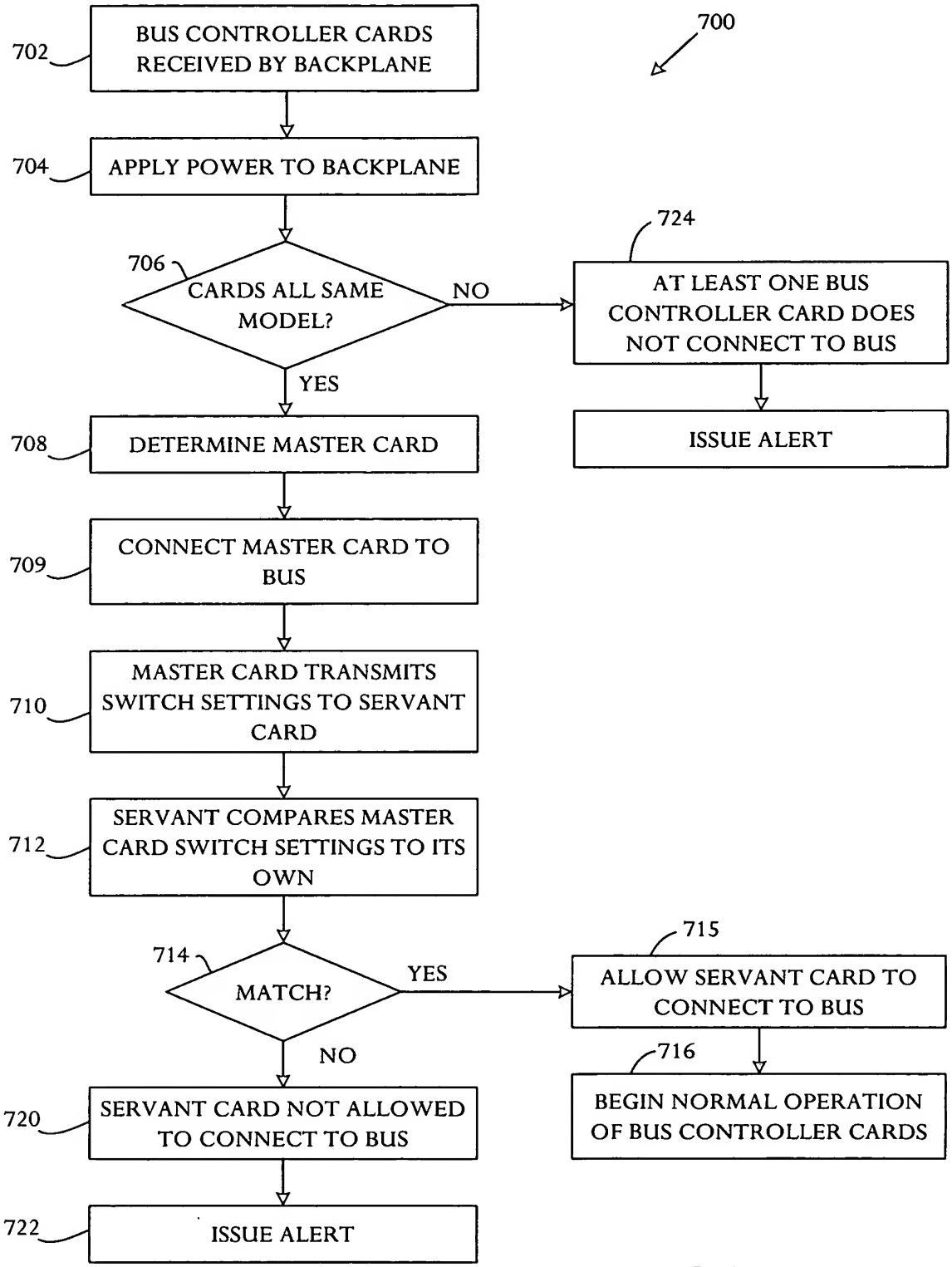
700
702
BUS CONTROLLER CARDS RECEIVED BY BACKPLANE
704
APPLY POWER TO BACKPLANE
706
CARDS ALL SAME MODEL?
NO
724
AT LEAST ONE BUS CONTROLLER CARD DOES NOT CONNECT TO BUS
ISSUE ALERT
YES
708
DETERMINE MASTER CARD
709
CONNECT MASTER CARD TO BUS
710
MASTER CARD TRANSMITS SWITCH SETTINGS TO SERVANT CARD
712
SERVANT COMPARES MASTER CARD SWITCH SETTINGS TO ITS OWN
714
MATCH?
YES
715
ALLOW SERVANT CARD TO CONNECT TO BUS
716
BEGIN NORMAL OPERATION OF BUS CONTROLLER CARDS
NO
720
SERVANT CARD NOT ALLOWED TO CONNECT TO BUS
722
ISSUE ALERT

FIG. 7

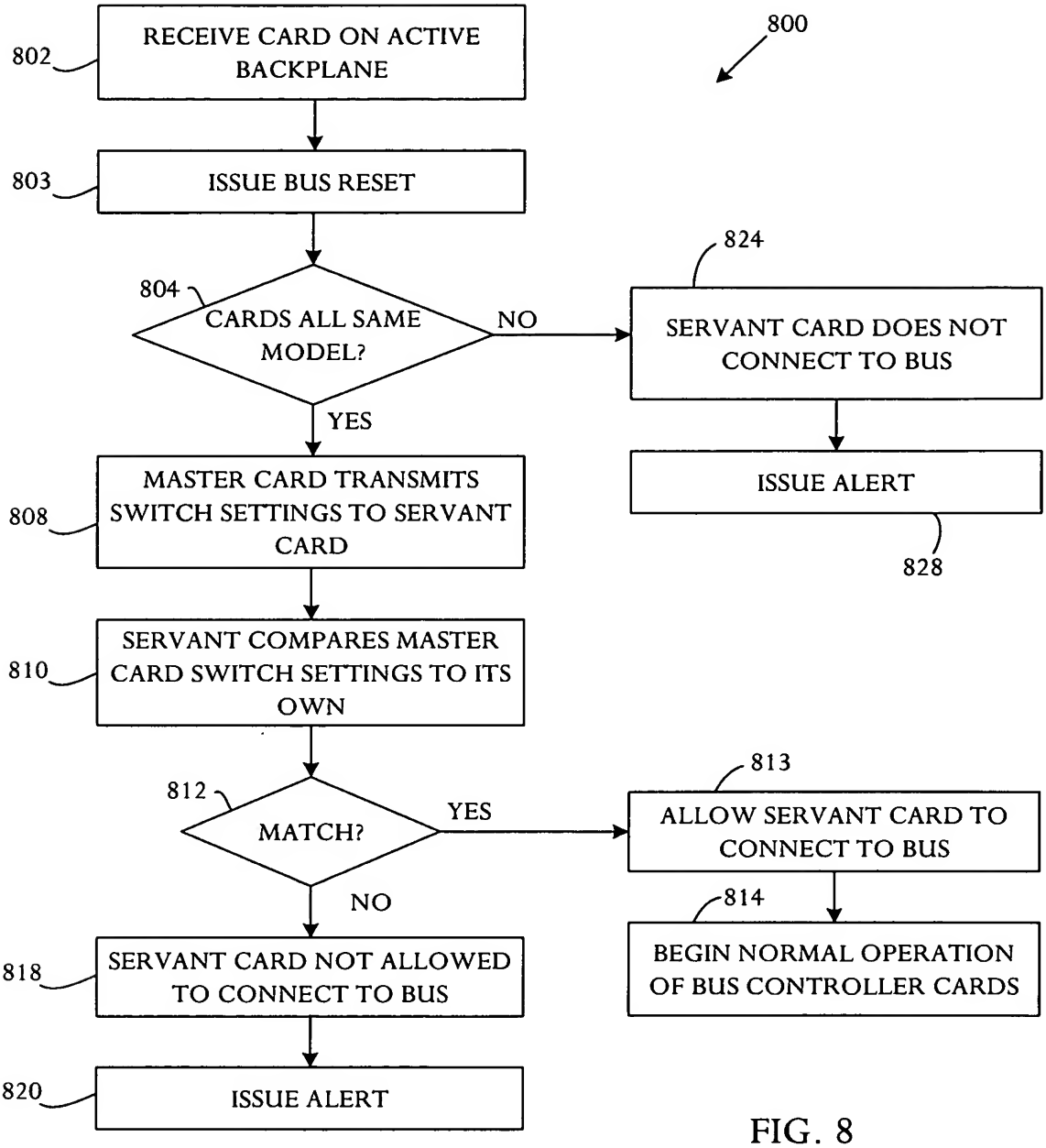
800
802
RECEIVE CARD ON ACTIVE BACKPLANE
803
ISSUE BUS RESET
804
CARDS ALL SAME MODEL?
NO
824
SERVANT CARD DOES NOT CONNECT TO BUS
ISSUE ALERT
828
YES
808
MASTER CARD TRANSMITS SWITCH SETTINGS TO SERVANT CARD
810
SERVANT COMPARES MASTER CARD SWITCH SETTINGS TO ITS OWN
812
MATCH?
YES
813
ALLOW SERVANT CARD TO CONNECT TO BUS
814
BEGIN NORMAL OPERATION OF BUS CONTROLLER CARDS
NO
818
SERVANT CARD NOT ALLOWED TO CONNECT TO BUS
820
ISSUE ALERT

FIG. 8